FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

ATTY. DOCKET NO.	APPLICATION NO.
MASIMO.007C2	08/943,511
APPLICANT	
M. Diab et al.	
FILING DATE	GROUP
October 6, 1997	Unknown

RECEIVED
MAR 12 1998
GROUP 3800

JC41 MAR 6 1998 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,800,495	1/24/89	Smith			
		4,824,242	4/25/89	Frick et al.			
		4,863,265	9/5/89	Flower et al.			
		4,867,571	9/19/89	Frick et al.			
		4,892,101	1/9/90	Cheung et al.			
		4,907,594	3/13/90	Muz			
		4,911,167	3/27/90	Corenman et al.			
		4,928,692	5/29/90	Goodman et al.			
		4,955,379	9/11/90	Hall			
		5,057,695	10/15/91	Hirao et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	1.	Rabiner, Lawrence et al. Theory and Application of Digital Signal Processing, p. 260, 1975.
	2.	Tremper, Kevin et al., Advances in Oxygen Monitoring, pp. 137-153, 1987.
	3.	Harris, Fred et al., "Digital Signal Processing with Efficient Polyphase Recursive All-Pass Filters", Presented at International Conference on Signal Processing, Florence, Italy, Spet. 4-6, 1991, 6 pages.
	4.	Haykin, Simon, Adaptive Filter Theory, Prentice Hall, Englewood Cliffs, NJ, 1985.
	5.	Widrow, Bernard, Adaptive Signal Processing, Prentice Hall, Englewood Cliffs, NJ 1985.

EXAMINER	DATE CONSIDERED
E Li	11/3/98

*EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

OIPE JC41 MAR 6 1998 PATENT & TRADEMARK OFFICE

ATTY. DOCKET NO.	APPLICATION NO.
MASIMO.007C2	08/943,511
APPLICANT: M. Diab et al.	
FILING DATE: October 6, 1997	GROUP: Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,273,036	12/28/93	Kronberg et al.			
		3,647,299	3/7/72	Lavallee			
		3,704,706	12/5/72	Herczfeld et al.			
		4,063,551	12/20/77	Sweeney			
		4,086,915	5/2/78	Kofsky et al.			
		4,095,117	6/13/78	Nagy			
		4,440,729	10/4/83	Wilber			
		4,537,200	8/27/85	Widrow			
		4,649,505	3/10/87	Zinser, Jr. et al.			
		4,773,422	9/27/88	Isaacson et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

	6.	/	Brown, David P., "Evaluation of Pulse Oximeters using Theoretical Models and Experimental Studies", Master's thesis, University of Washington, 11/25/87, pp. 1-142.
	7.		Cohen, Arnon, "Volume I" Time and Frequency Domains Analysis", Biomedical Signal Processing, CRC Press, Inc., jBoca Raton, Florida, pp. 152-159.
	8.	/	Severinghaus, J.W., "Pulse Oximetry Uses and Limitations", pp. 1-4, ASA Convention, New Orleans, 1989.
	9.		Mook, G.A., et al., "Spectrophotometirc determination of Oxygen saturation of blood independent of the presence of indocyanine green", Cardiovascular Research, Vol. 13, pp. 233-237, 1979.
		/	

EXAMINER	DATE CONSIDERED
E L	11/3/98

*EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

MAR 6 1998 JC41 PATENT & TRADEMARK OFFICE

ATTY. DOCKET NO.	APPLICATION NO.
MASIMO.007C2	08/943,511
APPLICANT: Diab et al.	
FILING DATE: October 6, 1997	GROUP: Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		4,799,493	1/24/89	DeFault			
		4,848,901	7/18/89	Hood, Jr.			
		4,860,759	8/29/89	Kahn et al.			
		4,869,253	9/26/89	Craig, Jr. et al.			
		4,869,254	9/26/89	Stone et al.			
		4,883,353	11/28/89	Hausman			
		4,927,264	5/22/90	Shiga et al.			
		4,948,248	8/14/90	Lehman			
		4,956,867	9/11/90	Zurek et al.			
		5,458,128	10/95	Polanyi et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

10. Neuman, Michael R., "Pulse Oximetry: Physical Principles, Technical Realization and Present Limitations", Continuous Transcutaneous Monitoring, Plenum Press, New York, 1987, pp. 135-144.

11. Mook, G.A., et al., "Wavelength dependency of the spectrophotometric determination of blood oxygen saturation", Clinical Chemistry Acta, Vol. 26, pp. 170-173, 1969.

12. Klimasauskas, Casey, "Neural Nets and Noise Filtering", Dr. Dobb's Journal, January 1989, pg. 32.

13. Melnikof, S. "Neural Networks for Signal Processing: A Case Study", Dr. Dobbs Journal, January 1989. pg.36-37

EXAMINER	DATE CONSIDERED
[signature]	11/3/98

*EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(USE SEVERAL SHEETS IF NECESSARY)

OIPE JC41 MAR 6 1998 PATENT & TRADEMARK OFFICE

ATTY. DOCKET NO.	APPLICATION NO.
MASIMO.007C2	08/943,511
APPLICANT: Diab et al.	
FILING DATE: October 6, 1997	GROUP: Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
GV		4 7 2 3 2 9 4	02/02/88	Taguchi			
GV		4 8 1 9 7 5 2	4/11/89	Zelin			
GV		4 9 6 0 1 2 6	10/2/90	Conlon et al.			
GV		5 2 4 6 0 0 2	9/21/93	Prosser			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
GV	S U	1 6 7 4 7 9 8	9/91	Abstract from Database WPI,	Derwent	Publications		
GV	9	2 / 1 5 9 5 5	17/09/92	~~PCT~~ WOX				

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

GV	14.	Jingzheng, Ouyang et al., "Digital Processing of High-Resolution Electrocardiograms--Detection of His-Purkinje Activity from the Body Surface", Biomedizinische Technik, 33, 1 October 1988, No.10, Berlin, W. Germany, pp. 224-230.
GV	15.	Chen, Jiande, et al., "Adaptive System for Processing of Electrogastric Signals", Images of the Twenty-First Century, Seattle, WA, vol. 11, Nov. 9-12, 1989. pp. 698-699.
GV	16.	Varanini, M. et al., "A Two Channel Adaptive Filtering Approach for Recognition of the QRS Morphology", Proceedings of the Computers in Cardiology Meeting, Venice, Sept. 23-26, 1991, Institute of Electrical and Electronics Engineers, pp. 141-144.

EXAMINER: EL

DATE CONSIDERED: 11/3/98

*EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

SCJ-6909:vm

022498